V. *An Obſervation on an Occultation of* Cor Leonis *by the Moon, on* Thurſday, March 12. 1747, *in* Surrey-Street *in the* Strand, London, *with a reflecting Teleſcope, made by Mr.* Short, *F. R. S. which magnified about* 100 *times; communicated to the* Royal Society *by* J. Bevis, *M. D.*

Read March 19. 1746-7.

Apparent Time.

d	h	′	″	
1747, *Mar.* 12	8	24	19	The Star immerg'd into the dark Limb.
	9	27	4	It emerg'd from the enlighten'd Limb a ſmall Matter to the Weſt of the Moon's Zenith.
		44	4½	The Moon's preceding Limb paſs'd the Meridian in the Tranſitory.
		44	21	The Star paſſed the Meridian.

Mr. *Short*, another Gentleman, and myſelf, agreed to a ſingle Second in the Immerſion, with different Teleſcopes; but I ſaw and pronounced the Emerſion 2 or 3 Seconds before them. —— There had been an exact Obſervation of the Sun's Tranſit at Noon; and the Clock gain'd about half a Second a Day.

We

We reckon *Surrey-Street* 27 Seconds in Time Weſt of the Royal Obſervatory at *Greenwich*.

Mr. *John Catlin* had a few Days before deliver'd me a Computation of this Eclipſe, corrected from two Places of the Moon, obſerv'd the 28th of *February* and the 2d of *March* 1729, correſponding pretty nearly with her preſent Situation; as likewiſe from the Star's Poſition, as I had rectify'd it from ſeveral late Obſervations; and this gave the

	h	′
Immerſion at — —	8	26½
Emerſion — —	9	30

J. Bevis.

VI. *An Obſervation of an* uncommon Gleam *of* Light *proceeding from the* Sun, *by Mr.* Peter Collinſon *F. R. S.*

Read March 19. 1746-7.

ON the 8th of *March* 1746-7, near 8 o' Clock in the Morning, as I was riding within three Miles of *Brentwood* in *Eſſex*, there appeared a ſingular *Phænomenon* in the Heavens; the Sketch (TAB. . *Fig.* .) may give ſome Idea of it.

The Morning was fine and clear, the Sun ſhone bright, no Cloud to be ſeen, but the Air a little hazy: Where the *Phænomenon* appeared, which was a bright cloudy Spot, ſeem'd a very ſmall Portion of a Rainbow,